



PATENT

Docket No. 10164-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Arthur W. Chester et al.

Serial No. 09/351,147

Filed: July 12, 1999

For: CATALYTIC PRODUCTION OF LIGHT
OLEFINS FROM NAPHTHA FEED

Examiner: Walter D. Griffin

Group Art Unit: 1764

RESPONSE UNDER 37 C.F.R. §1.116

ATT: BOX AF

Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to the Office Action mailed October 10, 2000, please amend the application as follows and consider the ensuing remarks.

IN THE SPECIFICATION:

Page 2, line 1, after "method" insert --, a small--.

REMARKS

Applicants request entry of the above amendment after final rejection inasmuch as it relates to a matter of form raised by the Examiner and places the application in better condition for allowance. Reconsideration of this application as presently amended is respectfully requested.

Claims 1-10 are presently in the application.

The present invention relates to a process for converting C₄+ naphtha hydrocarbon feed over a catalyst comprising ZSM-5, ZSM-11 or combinations thereof treated with phosphorus-containing compound, and a substantially inert matrix material. The contacting is carried out under conditions sufficient to produce a product containing light olefins and aromatics.

The process can be used to provide increased yields of ethylene, propylene and high quality motor fuels containing aromatics from low value

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